### LAND APPLICATION OF BIOSOLIDS JESSE R. AUSTIN LO 14 (Fields 01-21)

LOUISA COUNTY, VIRGINIA



February 2013 Synagro 10647 Tidewater Trail Champlain, VA 22438



March 1, 2013

Mr. Ed Stuart Dept of Environmental Quality Northern Virginia Regional Office 13901 Crown Court Woodbridge, VA 22193

Dear Mr. Stuart:

Transmitted herein for your consideration is land application site for Jesse R. Austin (designated as LO 14, Fields 1-21), located in Louisa County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,

Madison K Holsinger

Technical Services Manager

## FIELD SUMMARY SHEET

### JESSE R. AUSTIN

LO 14

Field	Gross Acres	Buffer Acres	Net Acres	FSA Tract Number	Owner
1	28.2	4.3	23.9	NA	Austin, Jesse R. & J Anne
2	35.2	2.9	32.3	NA	Austin, Jesse R. & J Anne
3	20.7	0.7	20	NA	Austin, Jesse R. & J Anne
4	35.8	1.6	34.2	NA	Austin, Jesse R. & J Anne
5	11.2	0	11.2	NA	Austin, Jesse R. & J Anne
6	43.1	0	43.1	NA	Austin, Jesse R. & J Anne
7	13	1	12	NA	Austin, Jesse R. & J Anne
- 8	26.8	1.4	25.4	NA	Austin, Jesse R. & J Anne
9	20.5	0.4	20.1	NA	Austin, Jesse R. & J Anne
10	22.7	0.8	21.9	NA	Austin, Jesse R. & J Anne
11	24.3	2	22.3	NA	Austin, Jesse R. & J Anne
12	46	4	42	NA	Austin, Jesse R. & J Anne
13	14.8	1.3	13.5	NA	Austin, Jesse R. & J Anne
14	33.4	2.8	30.6	NA	Austin Land & Cattle Co. Inc.
15	21.6	7.4	14.2	NA	Austin Land & Cattle Co. Inc.
16	24.6	3.8	20.8	NA	Austin Land & Cattle Co. Inc.
17	19.4	0.1	19.3	NA	Austin Land & Cattle Co. Inc.
18	80	0.6	79.4	NA	Austin Land & Cattle Co. Inc
19	28.1	1	27.1	NA	Austin Land & Cattle Co. Inc
20	37.4	0.1	37.3	NA	Austin, Jesse R. & J Anne
21	18,2	0.7	17.5	NA	Austin, Jesse R. & J Anne
Totals:	605		568.1		

Rev 10/03/2011

## VIRGINIA POLLUTION ABATEMENT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

This discondistributes as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes,

between

Page 1 of 2

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on

	of real property known as _ ne agricultural sites identified	LO - /4 d below in Table 1 and ide	ntified on the tax map(s) attached
Table 1.: Parcels au	thorized to receive biosolids	s, water treatment residual	s or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
27-56	27-9	27-6-3	27-4-4
27-6-1	27-12	27-64	27-6-7
27-22	27-6-2	27-4-5	27-6-8
vithin 38 months of the late  1. Notify the purchase closing date; and 2. Notify the permit he have no other agreements	est date of biosolids applicate or of the applicable public accepted the sale within two versions and application on the	tion, I shall: ccess and crop management weeks following closing. fields identified herein. I w	ent restrictions no later than the vill notify the permittee immediately or application or any part of this
dentified above and in Exhibition before, during or after Class B biosolids Water B Yes 日 No 日 Yes	ibit A. I also grant permission of permit in treatment residuals  B. D. No.	on for DEQ staff to conducted residuals for the purposed processing waste Yes No	olow, on the agricultural sites at inspections on my land identified ose of determining compliance.  Other industrial sludges  No
Landowner - Printed Name	R. Austin 4	en R. austr	Mailing Address Louisa VA 23693
	-		Aurian Pri 850 13
land in the manner authorithe nutrient management p §10.1-104.2 of the Code of land application has comm	zed by the VPA Permit Reg plan prepared for each land f Virginia. Permittee will pro	ulation and in amounts no application field by a persi ovide a copy of the NMP to modification to reflect the a	strial residuals on the landowner's to exceed the rates identified in on certified in accordance with the the landowner within 30 days after actual application rates or farming cation.
land in the manner authorithe nutrient management p §10.1-104.2 of the Code of land application has communication at the site, a revisive practices at the site, a revisive permittee agrees to notify specifically prior to any particles.	zed by the VPA Permit Reg plan prepared for each land f Virginia. Permittee will pro lenced. If the plan requires r sed plan will be provided wi landowner or landowner des	ulation and in amounts no application field by a persion ovide a copy of the NMP to modification to reflect the a thin 2 weeks of the modifical signee of the proposed sci	t to exceed the rates identified in on certified in accordance with the the landowner within 30 days after actual application rates or farming cation.  The dule for land application and actude the source of residuals to be
land in the manner authorithe nutrient management p §10.1-104.2 of the Code of land application has communicative at the site, a revision practices at the site, a revision practice agrees to notify the site of	zed by the VPA Permit Reg plan prepared for each land f Virginia. Permittee will pro lenced. If the plan requires r sed plan will be provided wi landowner or landowner des	ulation and in amounts no application field by a persion ovide a copy of the NMP to modification to reflect the a thin 2 weeks of the modifical signee of the proposed sci	t to exceed the rates identified in on certified in accordance with the landowner within 30 days after actual application rates or farming cation.

Permittee: Sumarno	Permit # or County: Lowsa
Landowner: Jesse R. Austin	Farm name or address: 3870 Ch4LK Level RJ
	1.0UISAVA2309

### Landowner Site Management Requirements:

I, the landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of blosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application at that site was completed.

### Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days. following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of blosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority

### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or havland sites:

- Meat producing livestock shall not be grazed for 30 days,
- Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with \$10.1-104.2 of the Code of Virginia:
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Rev 10/03/2011

## VIRGINIA POLLUTION ABATEMENT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on between J. Anne Austin referred to here as "Landowner", and referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement. Landowner: I am the registered owner of real property known as Lo - 19 located in Louisa

Virginia, which includes the agricultural sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A. Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges Tax Parcel ID Tax Parcel ID Tax Parcel ID Tax Parcel ID 7-56 7-6-3 27-66 27-6-7 27-60-2 27-6-8 X Additional parcels containing Land Application Sites are Identified on Supplement A. (check if applicable) I am the sole owner of the properties identified herein. A I am one of multiple owners of the properties identified herein. In the event that I, the landowner, sell or transfer all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, I shall: 1. Notify the purchaser of the applicable public access and crop management restrictions no later than the closing date: and Notify the permit holder of the sale within two weeks following closing. I have no other agreements for land application on the fields identified herein. I will notify the permittee immediately if conditions change such that the fields are no longer available to the permittee for application or any part of this agreement becomes invalid I hereby grant permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. I also grant permission for DEQ staff to conduct inspections on my land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance. Class B biosolids Water treatment residuals Food processing-waste Other industrial sludges X Yes DINO ⊠ Yes X Yes IN Yes7 □ No 1. HUNC Landowner - Printed Name Signature Permittee: , the permittee, agrees to apply blosolids and/or industrial residuals on the landowner's land the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. Permittee will provide a copy of the NMP to the landowner within 30 days after land application has commenced. If the plan requires modification to reflect the actual application rates or farming practices at the site, a revised plan will be provided within 2 weeks of the modification. Permittee agrees to notify landowner or landowner designee of the proposed schedule for land application and specifically prior to any particular application to landowner's land. Notice shall include the source of residuals to be applied. 10647 Tidewater Trail Champlain VA 22438 Mailing Address Permittee - Authorized Representative Signature Printed Name

Page 1 of 2

Permittee: Sypagro	Permit # or County:	Louise	U		
Landowner: J. Anne Austin	Farm name or address:	3870	Chalk	level	RA
		Louis	a.VA 3	23093	

### Landowner Site Management Requirements:

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I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field
as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application
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- c. Other animals shall be restricted from grazing for 30 days:
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  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the
  nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of
  Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Data

## VIRGINIA POLLUTION ABATEMENT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

referred to here as the "Pe or until ownership of all pa	referred to here ermittee". This agreement re croels changes. If ownership wership has changed will no	as "Landowner", and Sumains in effect until it is term of individual parcels identifie alonger be authorized to rece	Inated in writing by either party d in this agreement changes,
Landowner: I am the registered owner Virginia, which includes th as Exhibit A.	of real property known as e agricultural sites identified	Lo 14 - below in Table 1 and identifie	ed on the tax map(s) attached
Table 1.; Parcels aut	horized to receive biosolids,	water treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
27-56	27-9	27-6-3	27-6-6
27-6-1	27-12	27-6-4	27-6-7
27-22	27-6-2	27-6-5	27-4-8
1. Notify the purchase closing date; and 2. Notify the permit ho I have no other agreements if conditions change such the agreement becomes invalid I hereby grant permission to identified above and in Exhibit above, before, during or after Class B biosolids Water No B Yes I No B Yes Landowner - Printed Name Austin Law Permittee:	the Permittee to land apply of A I also grant permission of land application of permitter treatment residuals.	residuals as specified below, for DEQ staff to conduct insert of residuals for the purpose of the processing waste of Yes	otify the permittee immediately opplication or any part of this on the agricultural sites spections on my land identified of determining compliance, ther industrial sludges  Yes  No  3870 Chark Level Road  Illing Address Louisa, V4.23093
the nutrient management p §10.1-104.2 of the Code of land application has comme practices at the site, a revis Permittee agrees to notify is	ted by the VPA Permit Regu- lan prepared for each land a Virginia. Permittee will provenced. If the plan requires med plan will be provided with andowner or landowner desi	lation and in amounts not to e pplication field by a person of ide a copy of the NMP to the odification to reflect the actua- tion 2 weeks of the modification gnee of the proposed scheduler's land. Notice shall include	exceed the rates identified in ertified in accordance with landowner within 30 days after al application rates or farming n.

Printed Name

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PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industria	residuals land application referred to ermittee". This agreement arcels changes. If owner whership has changed were ship has changed	ent remains in effect until it is t rship of individual parcels ider	1 1
Landowner: I am the registered owner Virginia, which includes th as Exhibit A.	of real property known a ne agricultural sites ident	as Lo 14 . ified below in Table 1 and ide	ntified on the tax map(s) attached
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27-22	27.6.2	27-4-5	27-48
In the event that I, the lands within 38 months of the late 1. Notify the purchase closing date; and 2. Notify the permit ho I have no other agreements	owner, sell or transfer all st date of biosolids applier of the applicable publication of the sale within two for land application on that the fields are no long	ication, I shall: c access and crop manageme vo weeks following closing. the fields identified herein. I w	ch biosolids have been applied ent restrictions no later than the will notify the permittee immediately for application or any part of this
identified above and in Exhi above, before, during or after	bit A. I also grant permi er land application of pe	rmitted residuals for the purpo	ct inspections on my land identified ose of determining compliance.
St Ves IT No IS Ve	r treatment residuals	Food processing waste Si Yes   No	Other industrial sludges  ☑ Yes ☐ No
Landowner - Printed Name Anstin Lan Permittee:	d & Cattle	June R. austra Company, INC.	3870 Chack Level Rol Mailing Address Louisa VA 2309.3
the nutrient management p §10.1-104.2 of the Code of land application has comm	zed by the VPA Permit F plan prepared for each is f Virginia. Permittee will enced. If the plan requir	Regulation and in amounts no and application field by a person provide a copy of the NMP to	strial residuals on the landowner's t to exceed the rates identified in on certified in accordance with the landowner within 30 days after actual application rates or farming cation.
Permittee agrees to notify specifically prior to any par applied.	andowner or landowner ticular application to lan	designee of the proposed sol downer's land. Notice shall in	hedule for land application and include the source of residuals to be
Permittee - Authorized Represe	ntative Signature		Champlan, VA 22438

Printed Name

Tax ID Landowner Identification Sheet

Landowner	Field #	Tax ID
AUSTIN, JESSE R & J ANNE	14-01	27 - 56
AUSTIN, JESSE R & J ANNE	14-02	27 - 56
AUSTIN, JESSE R & J ANNE	14-03	27 - 6 - 1 27 - 56
AUSTIN, JESSE R & J ANNE	14-04	27 - 56
AUSTIN, JESSE R & J ANNE	14-05	27 - 56
AUSTIN, JESSE R & J ANNE	14-00	27 - 22
AUSTIN, JESSE R & J ANNE	14-07	27 - 22
AUSTIN, JESSE R & J ANNE	14-08	27 - 22
AUSTIN, JESSE R & J ANNE	14-09	27 - 22
AUSTIN, JESSE R & J ANNE	14-10	27 - 9
AUSTIN, JESSE R & J ANNE	14-11	27 - 9
AUSTIN, JESSE R & J ANNE	14-12	27 - 9, 12
AUSTIN, JESSE R & J ANNE AUSTIN LAND & CATTLE COMPANY INC	14-13	27 - 9 15 - 9
AUSTIN LAND & CATTLE COMPANY INC	14-14	15 - 9
AUSTIN LAND & CATTLE COMPANY INC	14-15	15-9
AUSTIN LAND & CATTLE COMPANY INC	14-16	15 - 9
AUSTIN LAND & CATTLE COMPANY INC	14-17	15 - 9
AUSTIN LAND AND CATTLE COMPANY INC	14-18	41 - 233
AUSTIN LAND AND CATTLE COMPANY INC	14-19	41 - 233
AUSTIN, JESSE R & J ANNE	14-20	27 - 6 - (1-9)
AUSTIN, JESSE R & J ANNE	14-21	27 - 6 - (8-12

Field #	Latitude (north)	Longitude (west)
14-01	38° 04' 01.99"	770 56' 02.92"
14-02	38° 04' 11.20"	770 55' 58.64"
14-03	38° 04' 15.34"	77° 56' 12.31"
14-04	38° 03' 52.58"	77° 56' 10.11"
14-05	38° 03' 55.10"	770 56' 23.86"
14-06	38° 04' 06.70"	770 56' 38.89"
14-07	38° 04' 00.91"	77° 56' 37.18"
14-08	38° 04' 16.14"	770 56' 27.67"
14-09	38° 04' 24.32"	770 56' 38.35"
14-10	38° 04' 28.69"	770 56' 23.88"
14-11	38° 04′ 42,43°	77° 56' 40.49"
14-12	38° 04' 39.48"	77° 56' 59.49"
14-13	38° 04' 56.98"	77° 56' 37.16"
14-14	38° 05' 13.08"	770 56' 48.24"
14-15	38° 05' 08,03"	770 56' 34.31"
14-16	38° 05' 02.46"	770 56' 52.22"
14-17	38° 04' 53.83"	770 56' 54.25"
14-18	38° 03' 41.75"	77° 58' 14.28"
14-19	38° 01' 39,45"	77° 57° 42.07"
14-20	38° 04' 27.76"	770 55' 58.25"
14-21	38° 04' 30.74"	770 55' 44.62"

### Haul Route:

The location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences; to include but not limited to all federal, state, and local granted STAA access routes.









Scale: 1:18055.954822

Date: 05/03/2012

Printed By:

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Date: 05/04/2012

Printed By:

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Scale: 1:9027.977411

Date: 05/04/2012

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	Field 14-01	Map Unit GvC3	Acres 8.1	Percentage 34	Soil Series	High Water I	Flood	Environmental Sensitive
		AsC	4.8	20	Ashlar			Leaghing
	14-01	DuB	3.8	16	Asiliai			THE PROPERTY OF THE PARTY OF TH
				13	Ashlar			Leaching
	14-01	AsB	3.1		Asmar			I LUGSTON I LUGSTON
	14-01	GrC2	2.6	11	Weh - Ches	Nov - May No	v - June	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
	14-01	WH	1.3	6	vven - Ches	NOV - May NO	v - June	
	14-02	GrC2	11.5	38	521WW0001			
	14-02	AsC	8.0	27	Ashlar			Leaching
	14-02	AV	6.9	23	Ashlar			Leadhing
	14-02	CcB2	3.5	12				
	14-03	GvC3	5.1	26				
	14-03	AnB2	4.8	25				
	14-03		3.7	19	Ashlar			Leaching
	14-03		2.1	11				
	14-03		2.0	10				
	14-03	ApB3	1.7	9				
	14-04	AsC3	15.1	46	Ashlar			Leaching
	14-04	AV	5.0	15	Ashlar			Leaching
	14-04	CIB	3.5	11	Colfax	Nov - June		
	14-04	AnC2	3.0	9	-	BULLET SHIPS HIS SHIPS		
	14-04	RoB	2.7	8				
	14-04		1.7	6				
H	14-04		1.6	5	Ashlar			Leaching
	14-05	AnC2	9.2	84				
	14-05		1.0	9				
	14-05		0.8	7				
	14-00	MIDZ	0.0	- 7).				
	14-06	GrC2	14.4	34				
	14-06	AnB2	7.2	17				
	14-06	DuB	7.0	16				
	14-06	AsC	5.1	12	Ashlar			Leaching Leaching
	14-06		4.4	11	Worsham	Nov - May		
	14-06	GrB2	4.4	10				
	14-07	AnB2	5.3	42				
	14-07	GrC2	4.1	32				
	14-07	DuB	3.3	26				
	14-08	AsC	12.3	49	Ashlar			Leaching
	14-08		7.2	29	900775116570			
	14-08		3.9	16	Colfax	Nov - June		
	14-08		1.5	6				
	14-09		8.9	46				
	14-09		7.9	41	Ashlar			Leaghing
	14-09	AnB2	2.6	13				

14-10	Field	71970707		Percentage	Soil Series	High Water	Flood	Environmental Sensitive
14-10 AnB2 3.0 14 14-10 GrB2 2.5 11 14-10 CrB 1.0 5 Colfax Nov - June  14-11 GrB2 7.2 32 14-11 AsC 3 6.4 29 Ashlar 14-11 AsC 4.5 20 Ashlar 14-11 WH 1.0 5 Weh - Ches Nov - May Nov - June  14-12 AsC 21.4 65 Ashlar 14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 GrB2 6.3 48 14-14 GrB2 8.8 33 14-14 GrB2 8.8 33 14-14 GrB2 8.8 33 14-14 MdC3 1.5 5  14-15 Arc 2.1 6 6 14-15 Arc 2.1 6 6 14-15 Arc 3.2 6 14-15 Arc 3.3 6 14-15 Arc 3.3 6 14-16 GrC2 5.9 29 14-16 Arc 3.3 6 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.5 12 14-16 GrB2 2.4 12 14-16 GrB2 2.5 12 14-16 GrB2 2.1 12 14-17 MaB2 8.5 48 14-17 MaB2 8.5 11 14-17 MaB2 8.5 11 14-17 MaB2 8.5 48 14-17 MaB2 8.5 11 14-18 MaB2 8.5 11 14-19 MaB2	14-10	GrC2	8.3	38	Anhles		1	Laggeling
14-10 GrB2 2.5 11 14-10 AsB 1.7 7 Ashlar 14-11 GrB2 7.2 32 14-11 AsC 4.5 20 Ashlar 14-11 AsC 4.5 20 Ashlar 14-11 WH 1.0 5 Weh - Ches Nov - May Nov - June  14-12 AsC 21.4 65 Ashlar 14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 GrB2 6.3 48 14-14 MdC3 1.5 5  14-15 AsC 1.9 15 Ashlar  14-14 GrB2 8.8 33 14-14 GrC2 5.3 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 14-15 WH 2.0 14 14-15 AsC 1.8 12 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.5 12 14-16 GrB2 2.4 12 14-16 GrB2 2.5 12 14-17 MaB2 8.5 48 14-17 CrB 5.5 31 Colfax Nov - June 14-17 MaB2 8.5 48 14-17 CrB 5.5 31 Colfax Nov - June 14-17 MaB2 8.5 48 14-17 CrB 5.5 31 Colfax Nov - June					Asnar			recognisse as
14-10								
14-10 CIB 1.0 5 Colfax Nov - June  14-11 GrB2 7.2 32 14-11 AsC 6.4 29 Ashlar 14-11 ASC 4.5 20 Ashlar 14-11 WH 1.0 5 Weh - Ches Nov - May Nov - June  14-12 AsC 21.4 65 Ashlar 14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 GrB2 6.3 48 14-13 WH 4.8 37 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 37 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-15 GrB2 1.6 6.4 24 14-14 MdB3 1.6 6 14-14 MdB3 1.5 5  14-15 MaB2 2.8 20 14-15 MaB2 2.8 20 14-15 MaB2 1.8 12 Ashlar  14-16 GrC2 5.9 29 14-16 GrC2 5.9 29 14-16 GrC2 1.6 11  14-16 GrC2 1.9 9 Sekil 14-16 GrC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June					W-1-100			Laurina
14-11						AND LONG		Designing .
14-11 AsC	14-10	CIB	1.0	5	Colfax	Nov - June		
14-11	14-11	GrB2	7.2	32				
14-11 AbB 3.1 14 14-11 WH 1.0 5 Weh - Ches Nov - May Nov - June  14-12 AsC 21.4 65 Ashlar 14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 GrB2 6.3 48 14-13 WH 4.8 37 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-14 GrB2 8.8 33 Weh - Ches Nov - May Nov - June  14-15 GrB2 3.6 6 4 24 14-14 MdB3 1.6 6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 18 14-15 Weh 2.0 14 Weh - Ches Nov - May Nov - June  14-15 MaB2 2.8 20 14-15 MaB2 2.8 20 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 Nov - May Nov - June  14-16 GrC2 5.9 29 14-16 Nov - May Nov - June  14-16 GrB2 2.4 12 Iredell Dec - April Leaching Leaching  14-16 IdB2 2.5 12 Iredell Dec - April Leaching L	14-11	AsC3	6.4	29	Ashlar		73.7 8	The second secon
14-11 WH 1.0 5 Weh - Ches Nov - May Nov - June  14-12 AsC 21.4 65 Ashlar 14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 MdC3 1.5 5  14-13 GrB2 6.3 48 14-13 WH 4.8 37 Weh - Ches Ashlar  14-14 GrB2 8.8 33 14-14 GrB2 8.8 33 14-14 AnC2 5.3 20 14-14 MdB3 1.6 6 14-14 MdB3 1.6 6 14-15 AlB 2.5 18 14-15 AlB 2.5 18 14-15 MB2 2.8 20 14-15 AlB 2.5 18 14-15 MBC 1.8 12 Ashlar  14-16 GrC2 5.9 29 14-16 GrB2 2.4 12 14-16 GrB2 2.1 15 14-17 MaB2 8.5 48 14-17 ClB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 ClB 5.5 31 Colfax Nov - June	14-11	AsC	4.5	20	Ashlar			Leaching
14-12	14-11	AbB	3.1	14				
14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 MdC3 1.5 5  14-13 GrB2 6.3 48 14-13 WH 4.8 37 Weh - Ches Ashlar  14-14 GrB2 8.8 33 14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MdB3 1.6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Ashlar  14-16 GrC2 5.9 29 14-16 AsC 1.8 12 Ashlar  14-16 GrC2 5.9 29 14-16 GrC2 5.9 29 14-16 GrC2 1.6 11  14-16 GrC2 1.9 9 Sekil 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 GrC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	14-11	WH	1.0	5	Weh - Ches	Nov - May	Nov - June	
14-12 WH 9.8 30 Weh - Ches Nov - May Nov - June  14-13 MdC3 1.5 5  14-13 GrB2 6.3 48 14-13 WH 4.8 37 Weh - Ches Ashlar  14-14 GrB2 8.8 33 14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MdB3 1.6 6 14-14 MdB3 1.5 5  14-15 GrB2 3.6 25 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Mov - May Nov - June  14-15 MaB2 2.8 20 14-15 AsC 1.8 12 Ashlar  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar  14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April  14-16 GrB2 2.1 19 9 Sekil 14-16 SeC3 1.9 9 Sekil 14-17 MaB2 8.5 48 14-17 MaB2 8.5 48 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	14-12	AsC	21.4	65	Ashlar			Leaching
14-12 MdC3						Nov - May	Nov - June	
14-13 WH 4.8 37 Weh - Ches Ashlar  14-13 AsC 1.9 15 Ashlar  14-14 GrB2 8.8 33 14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MaB2 3.2 12 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 ASC 1.8 12 Ashlar  14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 GrB2 2.4 12 14-16 GrB2 2.5 12 Iredell Dec - April 14-16 GrC2 1.1 5 Iredell Dec - April 14-16 IdC2 1.1 5 Iredell Dec - April								
14-13 WH 4.8 37 Weh - Ches Ashlar  14-13 AsC 1.9 15 Ashlar  14-14 GrB2 8.8 33 14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MaB2 3.2 12 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AsC 1.8 12 Ashlar  14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	44.42	0-00	6.2	40				
14-13 AsC 1.9 15 Ashlar  14-14 GrB2 8.8 33 14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MaB2 3.2 12 14-14 MdB3 1.6 6 14-15 GrB2 3.6 25 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar  14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April					Mah Chae	Nov - May	Nov - June	
14-14						INCO - IVIGY	1404 - Dulle	Leaghing
14-14 GvC3 6.4 24 14-14 AnC2 5.3 20 14-14 MaB2 3.2 12 14-14 MdB3 1.6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 SeC3 1.9 9 Sekil 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	14-13	ASC	1.9	15	ASIIIai			CCG246/04
14-14 AnC2 5.3 20 14-14 MaB2 3.2 12 14-14 MdB3 1.6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar 14-16 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11								
14-14 MaB2 3.2 12 14-14 MdB3 1.6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar 14-16 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	14-14							
14-14 MdB3 1.6 6 14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar  14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11	14-14							
14-14 MdC3 1.5 5  14-15 GrB2 3.6 25 14-15 MaB2 2.8 20 14-15 AlB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil Leaching 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June	14-14	MaB2						
14-15	14-14	MdB3	1.6	6				
14-15 MaB2 2.8 20 14-15 AIB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11	14-14	MdC3	1.5	5				
14-15 MaB2 2.8 20 14-15 AIB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11	14-15	GrB2	3.6	25				
14-15 AIB 2.5 18 14-15 WH 2.0 14 Weh - Ches Nov - May Nov - June 14-15 AsC 1.8 12 Ashlar  14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11								
14-15     WH     2.0     14     Weh - Ches     Nov - May     Nov - June       14-15     AsC     1.8     12     Ashlar       14-15     MaC2     1.6     11       14-16     GrC2     5.9     29       14-16     AsD     3.4     17     Ashlar       14-16     WH     3.2     16     Weh - Ches     Nov - May     Nov - June       14-16     GrB2     2.4     12       14-16     IdB2     2.5     12     Iredell     Dec - April       14-16     SeC3     1.9     9     Sekil       14-16     IdC2     1.1     5     Iredell     Dec - April       14-17     MaB2     8.5     48       14-17     CIB     5.5     31     Colfax     Nov - June       14-17     AbB     2.0     11								
14-15 AsC 1.8 12 Ashlar 14-15 MaC2 1.6 11  14-16 GrC2 5.9 29 14-16 AsD 3.4 17 Ashlar 14-16 WH 3.2 16 Weh - Ches Nov - May Nov - June 14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April 14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11					Weh - Ches	Nov - May	Nov - June	
14-15 MaC2					Ashlar			Leaching
14-16     AsD     3.4     17     Ashlar       14-16     WH     3.2     16     Weh - Ches     Nov - May     Nov - June       14-16     GrB2     2.4     12       14-16     IdB2     2.5     12     Iredell     Dec - April       14-16     SeC3     1.9     9     Sekil     Leaching       14-16     IdC2     1.1     5     Iredell     Dec - April       14-17     MaB2     8.5     48       14-17     CIB     5.5     31     Colfax     Nov - June       14-17     AbB     2.0     11								
14-16     AsD     3.4     17     Ashlar       14-16     WH     3.2     16     Weh - Ches     Nov - May     Nov - June       14-16     GrB2     2.4     12       14-16     IdB2     2.5     12     Iredell     Dec - April       14-16     SeC3     1.9     9     Sekil     Leaching       14-16     IdC2     1.1     5     Iredell     Dec - April       14-17     MaB2     8.5     48       14-17     CIB     5.5     31     Colfax     Nov - June       14-17     AbB     2.0     11	14-16	GrC2	5.9	29				
14-16     WH     3.2     16     Weh - Ches     Nov - May     Nov - June       14-16     GrB2     2.4     12       14-16     IdB2     2.5     12     Iredell     Dec - April       14-16     SeC3     1.9     9     Sekil     Leaching       14-16     IdC2     1.1     5     Iredell     Dec - April       14-17     MaB2     8.5     48       14-17     CIB     5.5     31     Colfax     Nov - June       14-17     AbB     2.0     11					Ashlar			Leaching
14-16 GrB2 2.4 12 14-16 IdB2 2.5 12 Iredell Dec - April 14-16 SeC3 1.9 9 Sekil 14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11						Nov - May	Nov - June	
14-16     IdB2     2.5     12     Iredell     Dec - April       14-16     SeC3     1.9     9     Sekil     Leaching       14-16     IdC2     1.1     5     Iredell     Dec - April       14-17     MaB2     8.5     48       14-17     CIB     5.5     31     Colfax     Nov - June       14-17     AbB     2.0     11						The Ineg	Jan	
14-16 SeC3 1.9 9 Sekil Leaching 14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11					Iredell	Dec - April		
14-16 IdC2 1.1 5 Iredell Dec - April  14-17 MaB2 8.5 48  14-17 CIB 5.5 31 Colfax Nov - June  14-17 AbB 2.0 11								Leaching
14-17 MaB2 8.5 48 14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11						Dec - April		
14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11	14-10	1002	(1991)	9	III	mon-Their		
14-17 CIB 5.5 31 Colfax Nov - June 14-17 AbB 2.0 11	14-17	MaB2	8.5	48				
14-17 AbB 2.0 11				31	Colfax	Nov - June		
NAME OF COUNTY OF THE PARTY OF						-114		
					Weh - Ches	Nov - May	Nov - June	

Field Map Unit         Acres         Percentage         Soil Series         High Water         Flood         Environment           14-18         AnB2         38.3         32           14-18         NoB2         25.7         21           14-18         NoC2         17.0         14           14-18         DuB         12.6         10           14-18         AsC         9.2         8         Ashlar           14-18         CIB         9.2         8         Colfax         Nov - June           14-18         LgB         8.9         7         Lignum         Dec - May	
14-18 NoC2 17.0 14 14-18 DuB 12.6 10 14-18 AsC 9.2 8 Ashlar 14-18 CIB 9.2 8 Colfax Nov-June	
14-18 DuB 12.6 10 14-18 AsC 9.2 8 Ashlar 14-18 CIB 9.2 8 Colfax Nov June	
14-18 AsC 9.2 8 Ashlar 14-18 CIB 9.2 8 Colfax Nov - June	
14-18 CIB 9.2 8 Colfax Nov - June	
14-18 CIB 9.2 8 Colfax Nov - June	HINTS.
14-19 WoB 7.5 28 Worsham Nov - May	
14-19 NoB2 7.2 27	
14-19 NoC2 6.6 24	
14-19 CIB 5.8 21 Colfax NovJune	
14-20 GvC3 16.4 45	
14-20 AnB2 11.8 33	
	thing
14-21 DuB 6.3 36	
14-21 AsD 4.7 27 Ashlar	hing
14-21 AnB2 2.4 14	
14-21 GvC3 2.1 12	
	thing

## **Environmentally Sensitive Areas**

Field	Reason for Sensitive Area
14-01	High Water Table (Map Unit WH – 6%) Flooded Soils (Map Unit WH – 6%) Leaching Potential (Map Units AsB, AsC – 33%)
14-02	Leaching Potential (Map Unit AsC, AV - 50%)
14-03	Leaching Potential (Map Unit AsC - 19%)
14-04	High Water Table (Map Unit CIB – 11%) Leaching Potential (Map Units AsC, AsC3, AV – 66%
14-05	None
14-06	High Water Table (Map Unit WoB – 11% Leaching Potential (Map Unit AsC – 12%)
14-07	None
14-08	High Water Table (Map Unit CIB – 16%) Leaching Potential (Map Unit AsC – 49%)
14-09	Leaching Potential (Map Unit AsC - 41%)
14-10	High Water Table (Map Unit CIB – 5%) Leaching Potential (Map Units AsB, AsC – 32%)
14-11	High Water Table (Map Unit WH – 5%) Flooded Soils (Map Unit WH – 5%) Leaching Potential (Map Units AsC, AsC3 – 49%)
14-12	High Water Table (Map Unit WH – 30%) Flooded Soils (Map Unit WH – 30%) Leaching Potential (Map Unit AsC – 65%)
14-13	High Water Table (Map Unit WH – 37%) Flooded Soils (Map Unit WH – 37%) Leaching Potential (Map Unit AsC – 15%)
14-14	None
14-15	High Water Table (Map Unit WH – 14%) Flooded Soils (Map Unit WH – 14%) Leaching Potential (Map Unit AsC – 12%)
14-16	High Water Table (Map Units IdB2, IdC2, WH – 33%) Flooded Soils (Map Unit WH – 16%) Leaching Potential (Map Units AsD, SeC3 – 26%)
14-17	High Water Table (Map Units CIB, WH – 41%) Flooded Soils (Map Unit WH – 10%)
14-18	High Water Table (Map Units CIB, LgB – 15%) Leaching Potential (Map Unit AsC – 8%)
14-19	High Water Table (Map Units CIB, WoB - 49%)
14-20	Leaching Potential (Map Unit AsC - 22%)
14-21	Leaching Potential (Map Units AsD, AV - 38%)

## Louisa County Soils that are Environmentally Sensitive

Soil Map Unit	Series Name	Time of year		Environmental
		High Water	Flooded	
AsB, AsC, AsD	Ashlar			Leaching
AsC3, AsD3	Ashlar			Leaching
AV	Ashlar			Leaching
Ch	Chewacla	Nov - April	Nov - April	
CIB	Colfax	Nov - June		
Eb	Elbert	Nov - May		
FN	Fluvaquents	Nov - April	Nov - April	
Fo	Forestdale	Jan - April	Jan – April	
FrB	Fork	Oct - May	Oct - May	
IdB	Iredell	Dec - April		
IdB2, IdC2	Iredell	Dec - April		
IrA, IrB	Iredell	Dec - April		
Iv	Iredell	Dec - April		
LgB	Lignum	Dec May		
MnB, MnC, MnD	Madison			Shallow
MoC, MoD	Madison			Shallow
SeB, SeC, SeD	Sekil			Leaching
SeC3	Sekil			Leaching
SP	Sekil			Leaching
To	Tocca		Jan - Dec	
Ts	Tocca		Jan – Dec	
We	Wehadkee	Nov - May	Nov - June	THE CHARLES
WH	Wehadkee-Chewacla	Nov - May	Nov – June	
WeB	Worsham	Nov - May		

## MAP LEGEND



House/Dwelling with a well



Rock Outcrop



Well



Lake/Pond



Slope which exceeds 15%



Intermittent Stream



Stream/River



Agricultural/Drainage Ditch



Field boundary



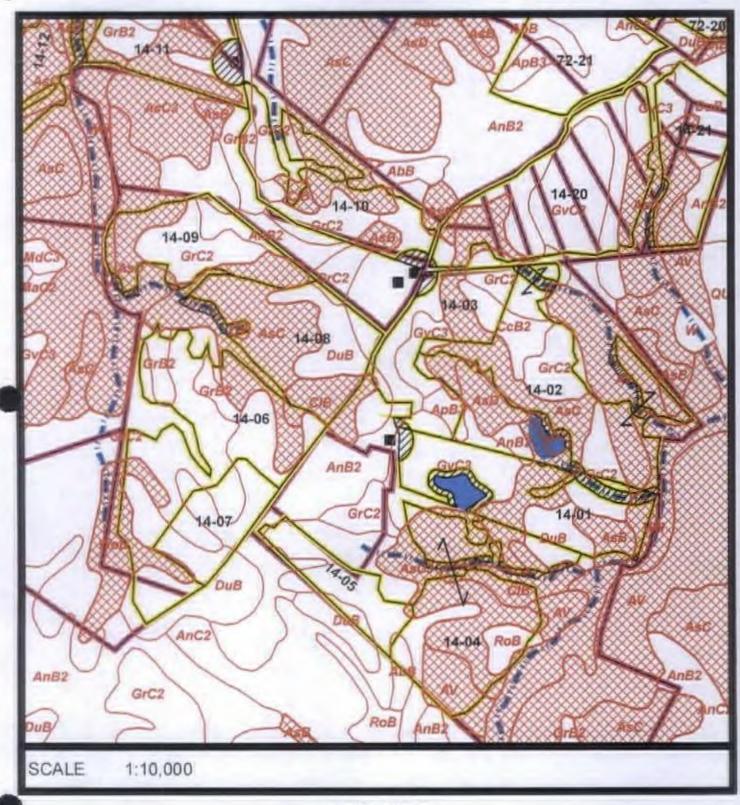
Property Line - (Standard 100)

Buffer, unless waiver issued)

Revised: Jan. 13, '14



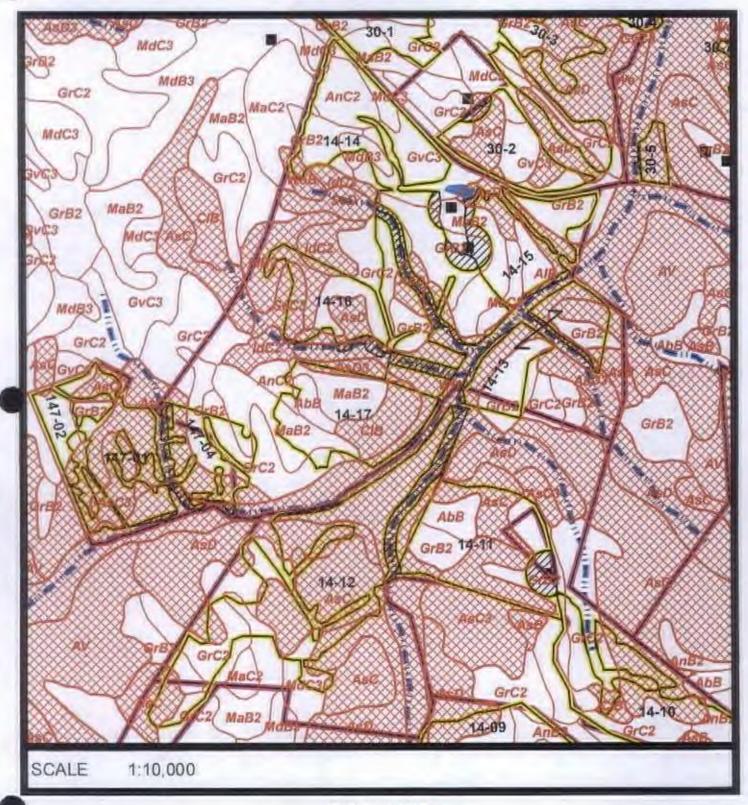
Jesse R Austin LO14 Fields 1 – 10



SOIL MAP



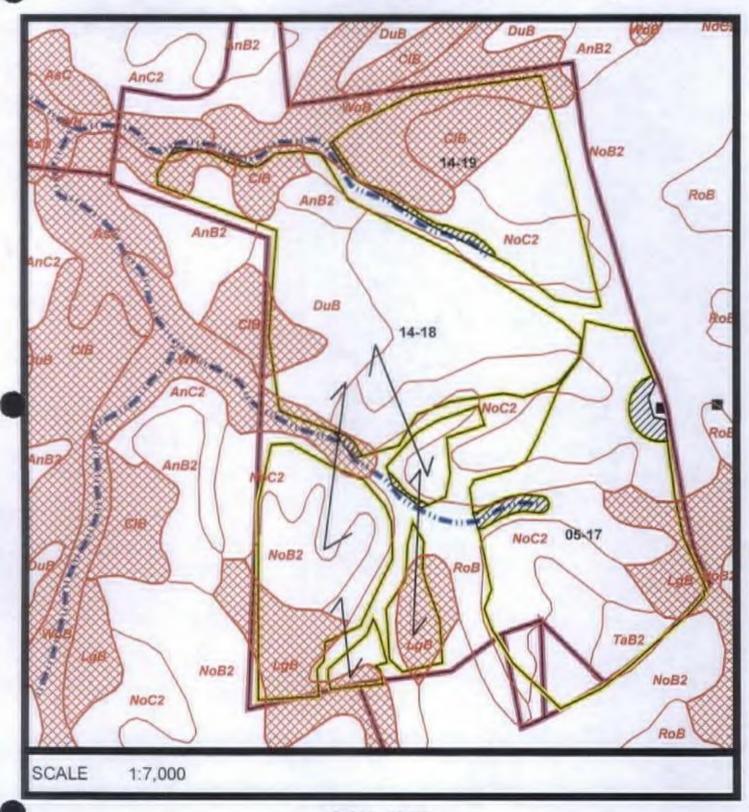
Jesse R Austin LO14 Fields 11 – 17



SOIL MAP



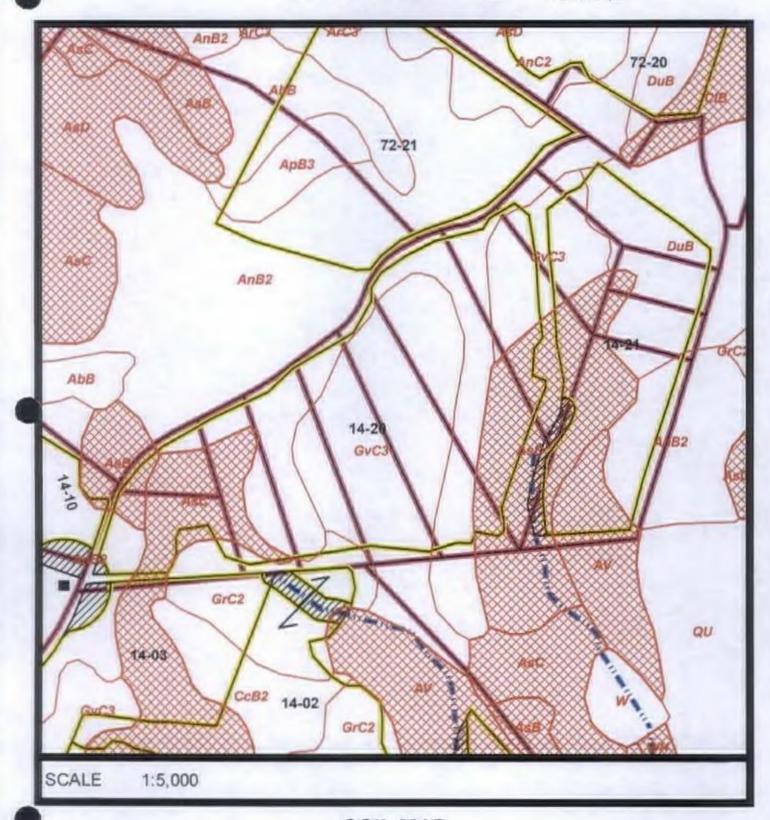
Jesse R Austin LO14 Fields 18, 19



SOIL MAP



Jesse R Austin LO14 Fields 20, 21

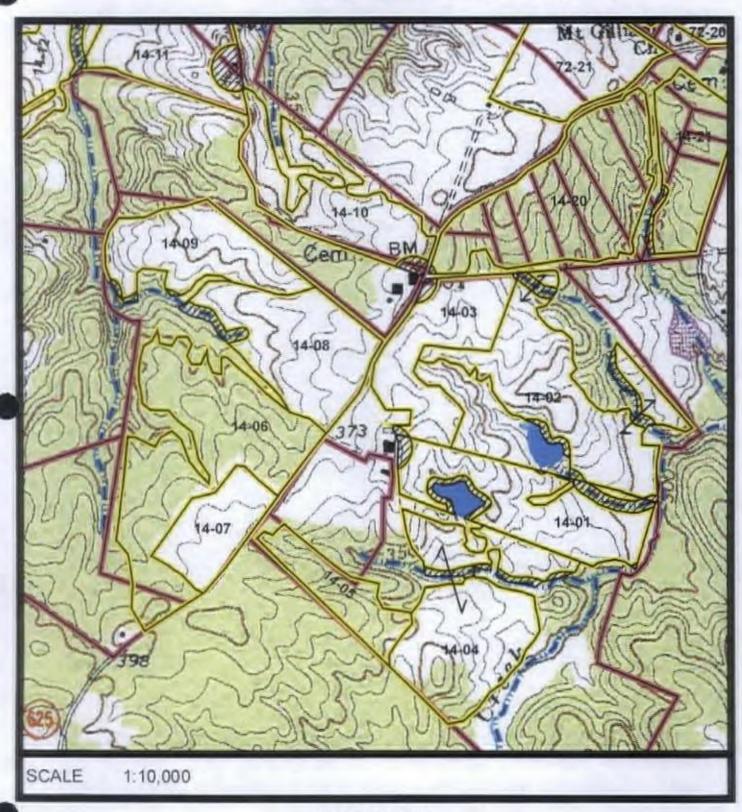


SOIL MAP

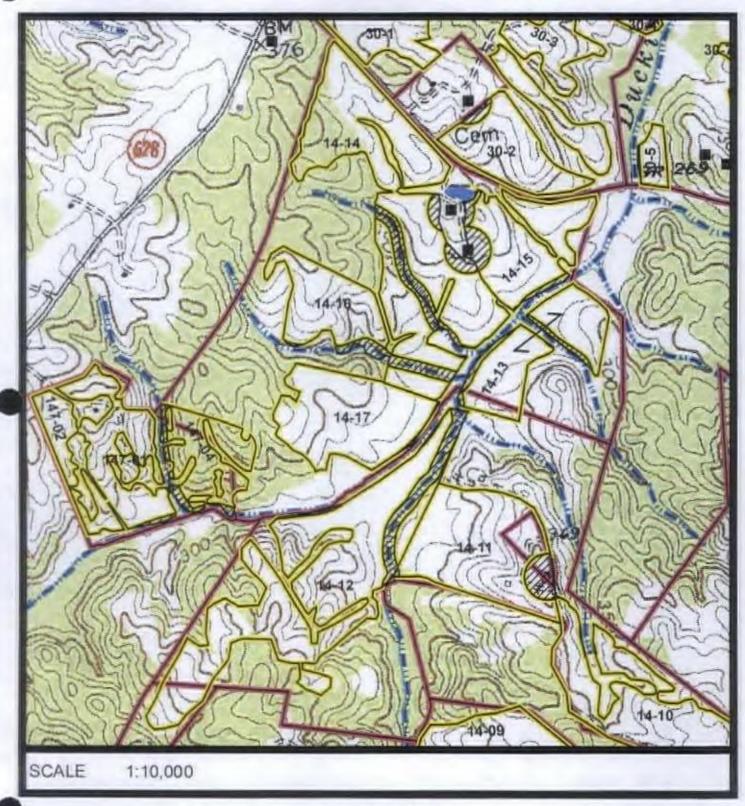


Environmentally Sensitive Soil

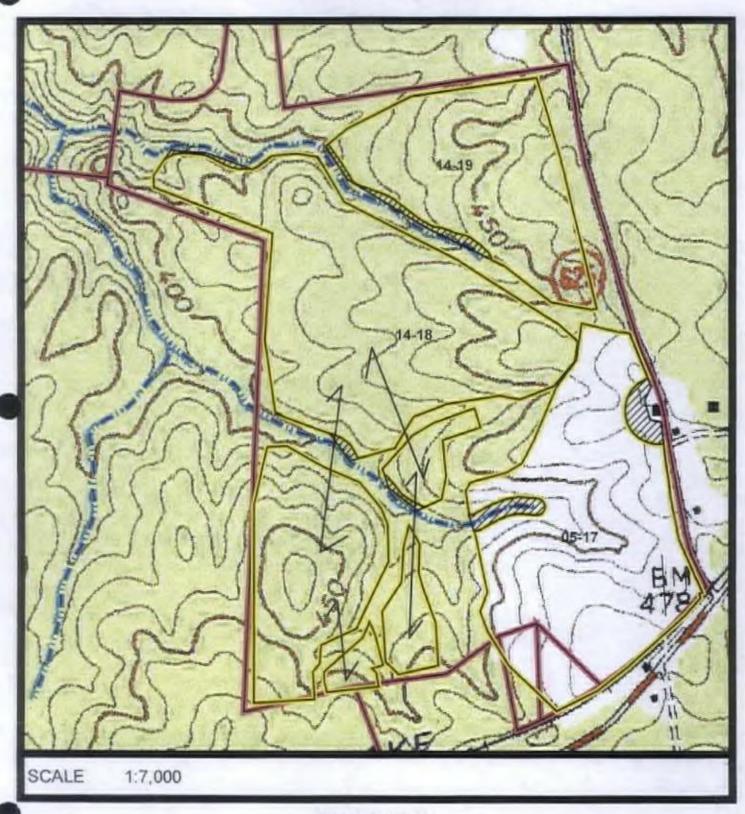
Jesse R Austin LO14 Fields 1 – 10



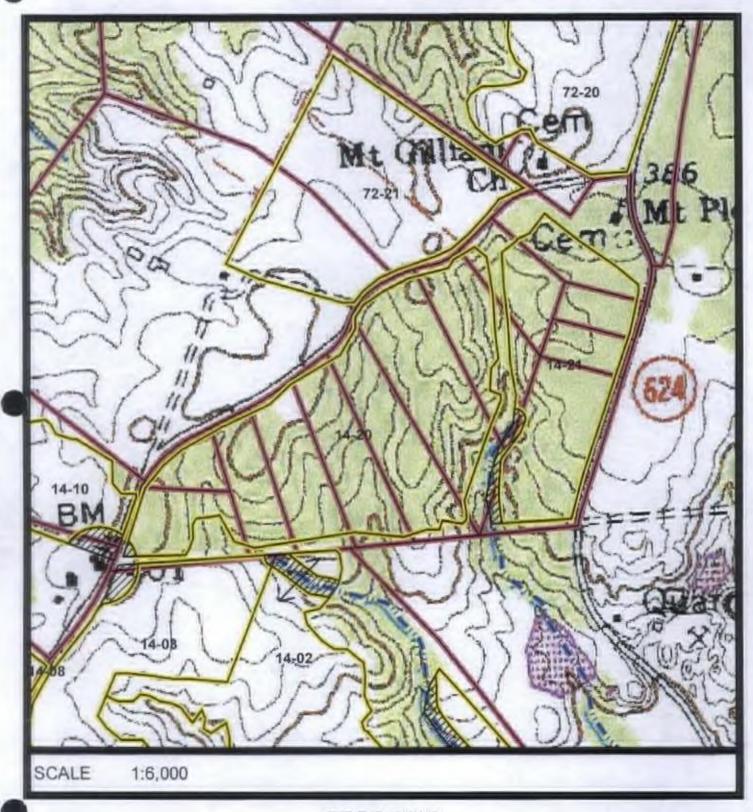
Jesse R Austin LO14 Fields 11 – 17



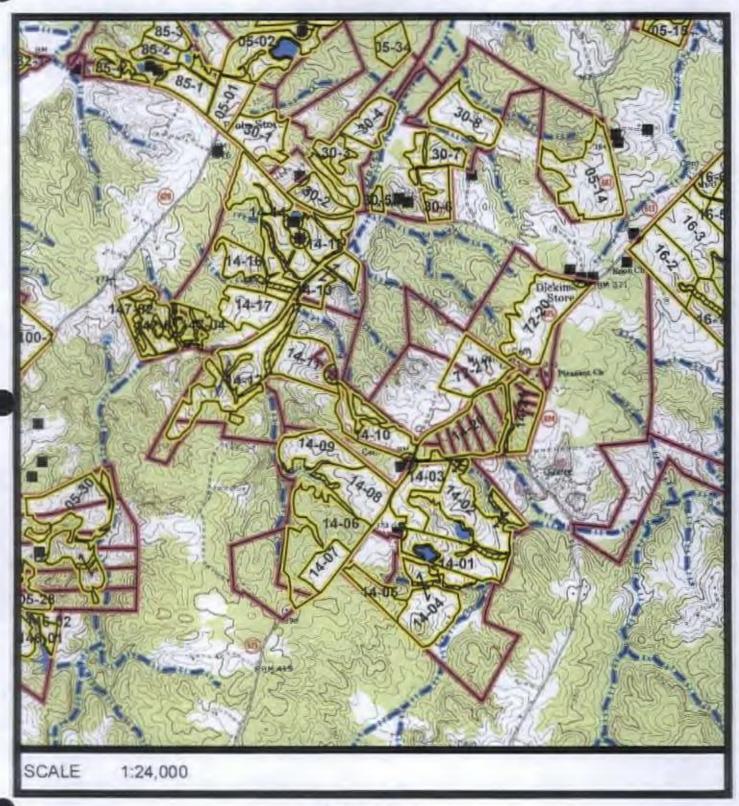
Jesse R Austin LO14 Fields 18, 19



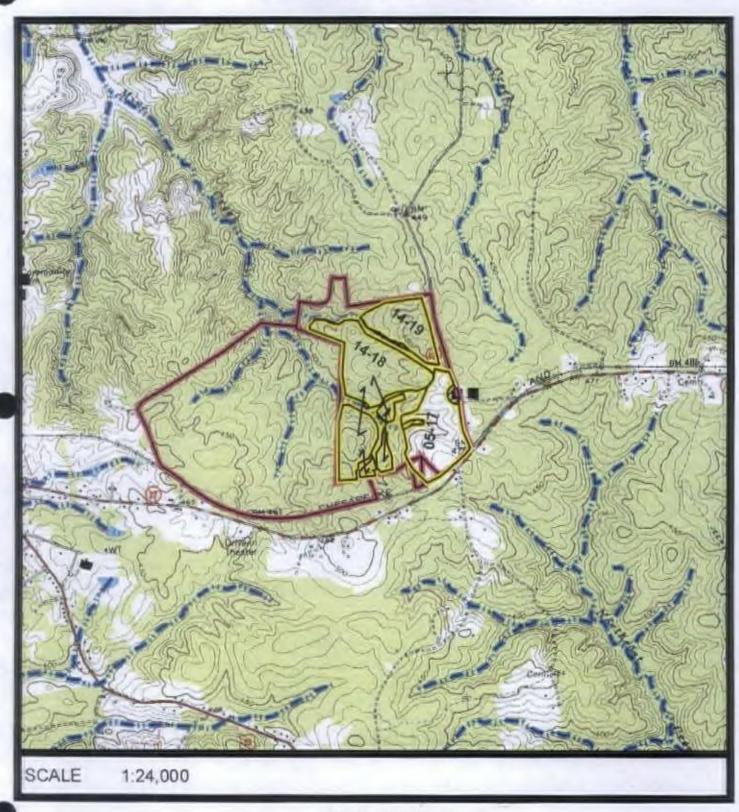
Jesse R Austin LO14 Fields 20, 21



Jesse R Austin LO14 Fields 1 – 17, 20, 21



Jesse R Austin LO14 Fields 18, 19



Jesse R. Austin LO14 Fields 1 – 21



**LOCATION MAP**